

WHAT IS CLAIMED IS:

Claim 1. A mobile device (3) for disinfecting a ventilation or air-conditioning duct wherein the device is adapted to be inserted inside the duct, the device comprising an axle
5 (31) operably connected to a front end disc (32) and to a rear end disk (33) wherein axle (31) is also operably connected to at least one ultraviolet ray lamp (34) positioned around axle (31).

Claim 2. The device of claim 1 wherein ultraviolet ray lamp (34) is parallel to the axle.
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Claim 3. The device of claim 1 wherein the axle is operably connected to a plurality of ultraviolet ray lamps.

Claim 4. The device of claim 1 wherein the axle is operably connected to a plurality of
15 ultraviolet ray lamps parallel to the axle (31) wherein the lamps cover a radiation area of 360° in a perpendicular plane to the axle.

Claim 5. The device of claim 1 further comprising at least one revolving means attached to an edge of front end disc (32) and at least one revolving means attached to an edge of rear
20 end disk (33).

Claim 6. The device of claim 5 wherein the revolving means are wheels (35), (36) positioned parallel to axle (31).

25 Claim 7. The device of claim 1 further comprising tubing (37) for electric input to lamps (34).

Claim 8. The device of claim 1 further comprising means for positioning the device at a desired location inside the duct.

30 Claim 9. The device of claim 8 wherein the means for positioning the device comprises a cable (38) affixed to front end of axle (31).

Claim 10. The device of claim 8 wherein the means for positioning the device comprise a cable (38) affixed to front end of axle (31) and a cable (39) fixed to back end of the axle (31).

Claim 11. A mobile device (3) for microbiologically disinfecting the interior of a
5 ventilation or air-conditioning duct, the device comprising an axle (31) operably connected to
a front end disc (32) and to a rear end disk (33) wherein the axle (31) is operably connected to
a plurality of ultraviolet ray lamps (34) positioned around and parallel to axle (31), front end
disc (32) having a plurality of wheels (35) positioned on an edge of disc (32) and parallel to
axle (31), rear end disk (33) having a plurality of wheels (36) positioned on an edge of disc
10 (33) and parallel to axle (31), cable (38) affixed to front end of axle (31) and cable (39) fixed
to back end of the axle (31).